VOL. 659, NOS. 1 + 2 JOURNAL OF CHROMATOGRAPHY B: BIOMEDICAL APPLICATIONS SEPTEMBER 23, 1994

CONTENTS

SPECIAL VOLUME

GENERAL STRATEGIES AND SELECTION OF DERIVATIZATION REACTIONS FOR LC

Foreword ix

Reviews

General strategies and selection of derivatization reactions for liquid chromatography and capillary electrophoresis
by I.S. Krull (Boston, MA, USA), Z. Deyl (Prague, Czech Republic) and H. Lingeman (Amsterdam, Netherlands) 1

Solid-phase derivatization reactions for biomedical liquid chromatography
by I.S. Krull, M.E. Szulc, A.J. Bourque, F.-X. Zhou, J. Yu and R. Strong (Boston, MA, USA) 19

Enantiomeric derivatization for biomedical chromatography
by S. Görög and M. Gazdag (Budapest, Hungary) 51

Fluorogenic reactions for biomedical chromatography
by Y. Ohkura, M. Kai and H. Nohta (Fukuoka, Japan) 85

Chiral derivatizing reagents for drug enantiomers bearing hydroxyl groups
by Y. Zhou (San Francisco, CA, USA), P. Luan (Boston, MA, USA), L. Liu (San Francisco, CA, USA) and Z.P. Sun (Beijing, China) 109

Derivatization reactions for the determination of aflatoxins by liquid chromatography with fluorescence detection
by W.Th. Kok (Amsterdam, Netherlands) 127

Labeling of free carboxyl groups
by Y. Yasaka and M. Tanaka (Osaka, Japan) 139

Derivatization reactions for neurotransmitters and their automation
by M.E. Bovingdon and R.A. Webster (London, UK) 157

Derivatization of posttranslationally modified amino acids
by T. Teerlink (Amsterdam, Netherlands) 185

Determination of enzyme activity by high-performance liquid chromatography
by G.W. Welling, A.J. Scheffer and S. Welling-Wester (Groningen, Netherlands) 209

Derivatization of thiol-containing compounds
by K. Shimada and K. Mitamura (Kanazawa, Japan) 227

Derivatization reactions applicable to pesticide determination by high-performance liquid chromatography
by B.D. McGarvey (Vineland Station, Canada) 243

Author Index 259

List of Compounds Chromatographed 261

List of Reagents 269